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**MORRISON | FOERSTER**

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PALO ALTO  
CALIFORNIA 94304-1018

TELEPHONE: 650.813.5600  
FACSIMILE: 650.494.0792

WWW.MOFO.COM

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FROM: Thomas Chan  
Reg. No. 51,543

DATE: July 20, 2007

Number of pages with cover page:	4	
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Preparer of this slip has confirmed that facsimile number given is correct: 10475/cxd7

Comments:

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Docket No.: 188122001900  
Art Unit: 2123  
Examiner: A. Pierre-Louis  
U.S. Patent Application Serial No.: 10/713,754  
Filing Date: November 13, 2003  
Inventor(s): Bruce W. MCGAUGHY et al.  
Title: SYSTEM AND METHOD FOR COMMUNICATING SIMULATION SOLUTIONS  
BETWEEN CIRCUIT COMPONENTS IN A HIERARCHICAL DATA STRUCTURE

Papers enclosed herewith:

1. Transmittal Form (1 page)
2. Communication (2 pages)

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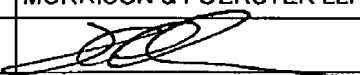
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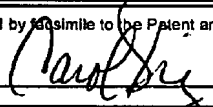
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<b>TRANSMITTAL FORM</b>  <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/713,754	
	Filing Date	November 13, 2003	
	First Named Inventor	Bruce W. MCGAUGHY	
	Art Unit	2123	
	Examiner Name	A. Pierre-Louis	
Total Number of Pages in This Submission	3	Attorney Docket Number	188122001900

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD  <div style="border: 1px solid black; padding: 2px;">Remarks</div>	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Communication (2 pages) Fax Cover
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Name	MORRISON & FOERSTER LLP (Customer No. 25226)	
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Printed name	Thomas Chan	
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Signature: Carol Diez  
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Docket No.: 188122001900  
Client Ref. No.: CAD: 03-093  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Bruce W. MCGAUGHY et al.

Application No.: 10/713,754

Confirmation No.: 1629

Filed: November 13, 2003

Art Unit: 2123

For: SYSTEM AND METHOD FOR  
COMMUNICATING SIMULATION  
SOLUTIONS BETWEEN CIRCUIT  
COMPONENTS IN A HIERARCHICAL DATA  
STRUCTURE

Examiner: A. Pierre-Louis

**COMMUNICATION**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Applicants' representative, Thomas C. Chan, conducted a telephonic interview with Examiner A. Pierre-Louis on June 13, 2007. The time and consideration of the Examiner is greatly appreciated.

The substance of the interviews is hereby made of record as directed by MPEP § 713.04. No exhibits were shown nor any demonstrations presented. No agreement is reached. Claims 1, 12, and 23 were discussed in light of the Tcherniaev and Zhou references cited in the final Office Action. Applicants explained the response to final Office Action filed on January 16, 2007. Specifically, Applicants explained the differences between the pending claims and the Tcherniaev

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and Zhou references in terms of how dynamic information are communicated between the driver leaf circuit(s) and the receiver leaf circuit(s). In the case of the pending claims, a dynamic data structure called the port connectivity interface is used to accomplish this task. While in the Tcherniaev or the Zhou reference, alone or in combination, no dynamic data structure is created for this purpose. The communication of dynamic information is accomplished by traversing the multiple levels of the hierarchical data structure, which lowers the performance of the transient simulation.

In the event the U.S. Patent and Trademark Office determines that an extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit Account No. 03-1952 referencing docket no. 188122001900. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: July 20, 2007

Respectfully submitted,

By 

Thomas C. Chan

Registration No.: 51.543

MORRISON & FOERSTER LLP

755 Page Mill Road

Palo Alto, California 94304-1018

(650) 813-5616